

IN THE CLAIMS

1. (Currently Amended) A method for evaluating ~~security executed to a system~~ security applied to a system constituted by at least one component, by the use of an electronic computer, the method comprising steps of:

a first step of accepting a first specification of a system to be evaluated and a second specification of each of the components constituting the system, from an operator via an input unit connected to the electronic computer;

a second step of retrieving data from a database in which constituent components and security countermeasures to be executed to the constituent components are described for each type of system ~~types~~, and of reading out security countermeasures to be executed to the components constituting the system ~~to be evaluated~~ which are specified by the second specification, out of the constituent components of the system type, the system type corresponding to that of the system ~~to be evaluated~~ which is specified by the first specification;

a third step of displaying on a display unit connected to the electronic computer, the security countermeasures read out in the second step in correspondence with each of the components constituting the system ~~to be evaluated~~ which are specified by the second specification and of accepting from the operator via the input unit, information as to whether or

not each of the security countermeasures being displayed is executed; and

a fourth step of evaluating a state of security of the system ~~to be evaluated~~, based on the information ~~that~~ regarding whether the security countermeasures of the components constituting the system ~~to be evaluated~~ are executed or not, the information being accepted in the third step, and of displaying evaluation results on the display unit.

2. (Original) A method for evaluating security as claimed in claim 1, wherein

the database describes, as to each of the security countermeasures, a security type ensured by executing the security countermeasure concerned, and wherein

the fourth step includes steps of:

classifying the security countermeasures , which are read out in the second step, into the security types;

determining, as to each of the security types, the ratio of the number of security countermeasures accepted as executed in the third step, to the number of security countermeasures classified into the security type concerned; and

displaying on the display unit the ratio for each of the security types as the degree of accomplishment of the security countermeasures classified into the security type concerned.

3. (Original) A method for evaluating security as claimed in claim 1, wherein

the database describes, as to each of the security countermeasures, a security type ensured and the degree of risk avoided, by executing the security countermeasure concerned, and wherein

the fourth step includes steps of;

classifying the security countermeasures, which are read out in the second step, into the security types;

determining, as to each of the security types, the total sum of the degrees of risks corresponding to the security countermeasures accepted as non-executed in the third step, out of the security countermeasures classified into the security type concerned; and displaying on the display unit the total sum of the degrees of risks for each of the security types as the degree of the remaining risk of the security countermeasures classified into the respective security types.

4. (Original) A method for evaluating security as claimed in claim 1, wherein

the database describes, as to each of the security countermeasures, a security type ensured and a cost required, by executing the security countermeasure concerned, and wherein

the fourth step includes steps of:

classifying the security countermeasures, which are read out in the second step, into the security types;

determining, as to each of the security types, the total sum of the costs corresponding to the security countermeasures accepted as executed in the third step, out of the security countermeasures classified into the security type concerned; and displaying on the display unit, the total sum of the costs for each of the security types as the required cost of the security countermeasures classified into the security type concerned.

5. (Currently Amended) A method for evaluating security as claimed in claim 1, wherein

the database describes, as to each of the security countermeasures, a security level ensured by executing the security countermeasure concerned, and wherein

the first step includes a step of accepting from the operator via the input unit, a third specification of the security level of the system ~~to be evaluated~~ in addition to

the first specification of the system ~~to be evaluated~~ and the second specification of the components constituting the system, and wherein

the second step includes a step of reading out from the database, the security countermeasures to be executed to components constituting the system ~~to be evaluated~~, which are specified by the second specification, out of the constituent components of the system type corresponding to that of the system which is specified by the first specification, each of the security countermeasures having a level not higher than the security level specified by the third specification.

6. (Currently Amended) A method for evaluating security as claimed in claim 1, where in

the first step includes,

steps of reading out all of the system types described in the database, displaying them on the display unit, and accepting from the operator via the input unit a specification of any one of the system types being displayed, as the first specification of the system ~~to be evaluated~~, and

steps of reading out from the database all of the constituent components of the system type specified by the first specification, displaying them on the display unit, and accepting from the operator via the input unit, information as

to whether or not each of the constituent components being displayed ~~is~~are used in the system ~~to be evaluated~~, as the second specification of each of the components constituting the system ~~to be evaluated~~.

7. (Currently Amended) A storage medium in which a program for making an electronic computer evaluate security of a system constituted by at least one component is stored, the program making the electronic computer execute steps of:

a first step of accepting a first specification of a system to be evaluated and a second specification of each of the components constituting the system, from an operator via an input unit connected to the electronic computer;

a second step of retrieving data from a database in which constituent components and security countermeasures to be executed to the constituent components are described for each type of system ~~types~~, and of reading out security countermeasures to be executed to the components constituting the system ~~to be evaluated~~ which are specified by the second specification, out of the constituent components of the system type, the system type corresponding to that of the system ~~to be evaluated~~ which is specified by the first specification;

a third step of displaying on a display unit connected to the electronic computer, the security countermeasures read out

in the second step in correspondence with each of the components constituting the system ~~to be evaluated~~ which are specified by the second specification and of accepting from the operator via the input unit information as to whether or not each of the security countermeasures being displayed is executed; and

a fourth step of evaluating a state of security of the system ~~to be evaluated~~, based on the information ~~that~~ regarding whether the security countermeasures to the components constituting the system ~~to be evaluated~~ are executed or not, the information being accepted in the third step, and of displaying evaluation results on the display unit.

8. (Currently Amended) A program for making an electronic computer evaluate security of a system constituted by at least one component, the program making the electronic computer execute steps of:

a first step of accepting a first specification of a system to be evaluated and a second specification of each of the components constituting the system, from an operator via an input unit connected to the electronic computer;

a second step of retrieving data from a database in which constituent components and security countermeasures to be executed to the constituent components are described for each

type of system ~~types~~, and of reading out security countermeasures to be executed to the components constituting the system ~~to be evaluated~~ which are specified by the second specification, out of the constituent components of the system type, the system type corresponding to that of the system ~~to be evaluated~~ which is specified by the first specification;

a third step of displaying on a display unit connected to the electronic computer, the security countermeasures read out in the second step in correspondence with each of the components constituting the system ~~to be evaluated~~ which are by the second specification, and of accepting from the operator via the input unit, information as to whether or not each of the security countermeasures is executed; and

a fourth step of evaluating a state of security of the system ~~to be evaluated~~, based on the information ~~that~~ regarding whether the security countermeasures to the components constituting the system ~~to be evaluated~~ are executed or not, the information being accepted in the third step, and of displaying evaluation results on the display unit.

9. (Currently Amended) A security evaluation apparatus for evaluating ~~security executed to a system~~ security applied to a system constituted by at least one component, comprising:

a database in which constituent components and security countermeasures to be executed to the constituent components are described for each type of system~~-types~~;

a first specification accepting unit for reading out and displaying all of the system types described in the database and accepting a specification of any one of the system types being displayed, as a first specification of a system to be evaluated from an operator;

a second specification accepting unit for reading out from the database and displaying all of the constituent components of the system type specified by the first specification, and for accepting from the operator information as to whether or not each of the constituent components being displayed is used in the system~~-to-be-evaluated~~, as a second specification of each of the components constituting the system~~-to-be-evaluated~~;

a third specification accepting unit for reading out from the database and displaying the security countermeasures to be executed to the constituent components specified by the second specification, out of the constituent components of the system types specified by the first specification, and for accepting from the operator information as to whether or not each of the security countermeasures being displayed is executed; and

an evaluation unit for evaluating a state of security of the system ~~to be evaluated~~, based on the information ~~that~~ regarding whether the security countermeasures of the constituent components are executed or not, the information being accepted by the third specification accepting unit, and for displaying evaluation results of the state of security.

10. (Currently Amended) A method for supporting ~~making~~ formation of security countermeasures to be executed to a system constituted by at least one component by the use of an electronic computer, comprising steps of:

a first step of accepting a first specification of a system to be supported and a second specification of each of the components constituting the system, from an operator via an input unit connected to the electronic computer;

a second step of retrieving data from a database in which constituent components and security countermeasures to be executed to the constituent components are described for each type of system ~~types~~ and of reading out the security countermeasures to be executed to the components constituting the system ~~to be supported~~ which are specified by the second specification, out of the constituent components of the system type, the system type corresponding to that of the system ~~to~~

~~be supported~~ which is specified by the first specification;
and

a third step of displaying on a display unit connected to the electronic computer, the security countermeasures read out in the second step in correspondence with each of the components constituting the system ~~to be supported~~ which are specified by the second specification.

11. (Currently Amended) A method for supporting the formation~~making~~ of security countermeasures as claimed in claim 10. wherein

the database describes, as to each of the security countermeasures, a security type ensured by executing each of the security countermeasure concerned, and wherein

the second step reads out from the database, the security countermeasures and their security types for each of the components constituting the system ~~to be supported~~ which are specified by the second specification, out of the constituent components of the system type corresponding to that of the system ~~to be supported~~ which is specified by the first specification, and wherein

the third step displays on the display unit the security countermeasures and their security types which are read out in the second step in correspondence with each of the components

constituting the ~~system-to-be-supported~~ which are specified in the second specification.

12. (Currently Amended) A method for supporting makingformation of security countermeasures as claimed in claim 10, wherein

the database describes, as to each of the security countermeasures, a security level ensured by executing the security countermeasure concerned, and wherein

the first step accepts from the operator via the input unit a third specification of the security level to be applied to the ~~system-to-be-supported~~ in addition to the first specification of the ~~system-to-be-supported~~ and the second specification of the components constituting the system, and wherein

the second step reads out from the database the security countermeasures to be executed to the components constituting the ~~system-to-be-supported~~ which are specified by the second specification, out of the constituent components of the system type corresponding to that of the ~~system-to-be-supported~~ which is specified by the first specification, each of the security countermeasures having a level not higher than the security level specified by the third specification.

13. (Currently Amended) A method for supporting ~~making~~formation of security countermeasures as claimed in claim 10, wherein

the first step includes,

steps of reading out all of the system types described in the database. displaying them on the display unit, and accepting from the operator via the input unit a specification of any one of the system types being displayed as the first specification of a system~~-to-be-supported~~, and

steps of reading out from the database all of the constituent components of the system type specified by the first specification, displaying them on the display unit, and accepting from the operator via the input unit whether or not each of the constituent components being displayed is used in the system~~-to-be-supported~~, as the second specification of the components constituting the system~~-to-be-supported~~.

14. (Currently Amended) A storage medium in which a program for making an electronic computer support ~~making~~formation of security countermeasures to be executed to a system constituted by at least one component is stored, the program making the electronic computer execute steps of:

a first step of accepting a first specification of a system to be supported and a second specification of each of

the components constituting the system, from an operator via an input unit connected to the electronic computer;

a second step of retrieving data from a database in which constituent components and security countermeasures to be executed to the constituent components are described for each type of system-types and of reading out security countermeasures to be executed to the components constituting the system ~~to be supported~~ which are specified by the second specification, out of the constituent components of the system type, the system type corresponding to that of the system ~~to be supported~~ which is specified by the first specification; and

a third step of displaying on a display unit connected to the electronic computer, the security countermeasures read out in the second step in correspondence with each of the components constituting the system ~~to be supported~~ which are specified by the second specification.

15. (Currently Amended) A program for making an electronic computer support making formation of security countermeasures to be executed to a system constituted by at least one component, the program making the electronic computer execute steps of:

a first step of accepting a first specification of a system to be supported and a second specification of each of the components constituting the system, from an operator via an input unit connected to the electronic computer;

a second step of retrieving data from a database in which constituent components and security countermeasures to be executed to the constituent components are described for each of system types and of reading out security countermeasures to be executed to the components constituting the system ~~to be supported~~ which are specified by the second specification, out of the constituent components of the system type, the system type corresponding to that of the system ~~to be supported~~ which is specified by the first specification; and

a third step of displaying on a display unit connected to the electronic computer, the security countermeasures read out in the second step in correspondence with each of the components constituting the system ~~to be supported~~ which are specified by the second specification.

16. (Currently Amended) A security construction support apparatus for supporting ~~making~~formation of security countermeasures to be executed to a system constituted by at least one component, comprising:

a database in which constituent components and security countermeasures to be executed to the constituent components are described for each of system types;

a first specification accepting unit for reading out all of system types described in the database to display them and accepting from an operator a specification of any one of the system types being displayed as a first specification of a ~~system-to-be-supported~~;

a second specification accepting unit for reading out from the database and displaying all of the constituent components of the system type specified by the first specification, and for accepting from an operator information as to whether or not each of the constituent components being displayed is used in the ~~system-to-be-supported~~ as a second specification of each of the components constituting the ~~system-to-be-supported~~; and

a security countermeasure display unit for reading out from the database the security countermeasures to be executed to the constituent components specified by the second specification accepting unit, out of the constituent components of the system type specified by the first specification accepting unit, and for displaying them.